Title (en)
METHOD AND SYSTEM FOR DETECTING AN ACTION IN A VIDEO CLIP

Title (de)
VERFAHREN UND SYSTEM ZUR ERKENNUNG EINER HANDLUNG IN EINEM VIDEOCLIP

Title (fr)
PROCÉDÉ ET SYSTÈME POUR DÉTECTER UNE ACTION DANS UN CLIP VIDÉO

Publication
EP 3995992 A1 20220511 (EN)

Application
EP 20306343 A 20201106

Priority
EP 20306343 A 20201106

Abstract (en)
A method for detecting an action in a video clip comprising a succession of video frames (12), comprising:- obtaining spatio-temporal features (F_0) extracted from the video clip;- inputting the spatio-temporal features (F_0) to a first artificial neural network (20) having a first temporal receptive field;- for i from 2 to N, N greater than or equal to 2, inputting the spatio-temporal features (F_0) and the output (F_i) of the i-1th artificial neural network to a ith artificial neural network having a ith temporal receptive field different from the i-1th temporal receptive field ;- determining whether a given action is represented in the video clip based on the output of the Nth artificial neural network;wherein at least the jth artificial neural network (20), where j lies between 1 and N, comprises a self-attention mechanism.

IPC 8 full level
G06K 9/00 (2022.01); G06N 3/04 (2006.01)

CPC (source: EP)
G06N 3/045 (2023.01); G06V 10/454 (2022.01); G06V 20/41 (2022.01)

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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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